

**To:** Kelly, Jack (R3 Phila.) [Kelly.Jack@epa.gov]  
**From:** Johnson, Mark S CIV USARMY MEDCOM PHC (US)  
**Sent:** Tue 4/8/2014 1:26:20 PM  
**Subject:** RE: 4-MCHM in Air

Thanks. "Top" should be "to" in the sentence below (I can't type)....

Cheers,  
Mj

-----Original Message-----

From: Kelly, Jack (R3 Phila.) [mailto:Kelly.Jack@epa.gov]  
Sent: Tuesday, April 08, 2014 8:37 AM  
To: Johnson, Mark S CIV USARMY MEDCOM PHC (US)  
Subject: Re: 4-MCHM in Air

Mark.

Thank you!!! All day meeting. Will get back to you when I can.

From: Johnson, Mark S CIV USARMY MEDCOM PHC (US) <Ex. 6 - Personal Privacy @mail.mil>  
Sent: Monday, April 7, 2014 8:40:49 AM  
To: Kelly, Jack (R3 Phila.)  
Cc: Resta, John J CIV USARMY MEDCOM PHC (US)  
Subject: RE: 4-MCHM in Air

Jack,  
Here is the OEL we came up with.

**Ex. 5 - Deliberative**

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Hope it is helpful to you.

v/r

Mark S. Johnson, Ph.D, D.A.B.T.  
Director, Toxicology Portfolio  
Army Institute of Public Health  
US Army Public Health Command  
5158 Blackhawk Rd. ATTN: MCHB-IP-THE  
Aberdeen Proving Ground, MD 21010-5403

T  
F Ex. 6 - Personal Privacy

-----Original Message-----

From: Kelly, Jack (R3 Phila.) [mailto:Kelly.Jack@epa.gov]  
Sent: Thursday, March 20, 2014 12:48 PM  
To: Johnson, Mark S CIV USARMY MEDCOM PHC (US)  
Subject: FW: 4-MCHM in Air

Below FYI. Still working on this. Stay tuned.....

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

215-514-6792 (cell)

215-814-3112 (office)

From: Kelly, Jack (R3 Phila.)  
Sent: Thursday, March 20, 2014 12:46 PM  
To: Sayles, Gregory  
Cc: Dinan, Janine; Burns, Francis  
Subject: RE: 4-MCHM in Air

Greg, thanks for getting back to me.

As of now I am available next week except 2 to 3 pm on Wednesday. Let me think about who else might be on the call.

I can certainly provide background on the issue, why we made this request.

## Ex. 5 - Deliberative

Below is Mark's affiliation information:

Mark S. Johnson, Ph.D, D.A.B.T.

Director, Toxicology Portfolio

Army Institute of Public Health

US Army Public Health Command

5158 Blackhawk Rd. ATTN: MCHB-IP-THE

Aberdeen Proving Ground, MD 21010-5403

T: Ex. 6 - Personal Privacy

F. Ex. 6 - Personal Privacy

Jack

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

215-514-6792 (cell)

215-814-3112 (office)

From: Sayles, Gregory  
Sent: Thursday, March 20, 2014 12:17 PM  
To: Kelly, Jack (R3 Phila.)  
Cc: Vandenberg, John; Kavlock, Robert  
Subject: Re: 4-MCHM in Air

Jack - ORD folks would like to ask some questions and present some ideas on options. I plan to send a telecon invite for next week. Who should I include fro outside of ORD?

Greg

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From: Sayles, Gregory  
Sent: Thursday, March 20, 2014 7:44:34 AM  
To: Kelly, Jack (R3 Phila.)  
Cc: Dinan, Janine; Burns, Francis; Ioven, Dawn; Werner, Lora; Vandenberg, John; Kavlock, Robert  
Subject: Re: 4-MCHM in Air

Jack et al - our risk experts in ORD are wrestling with your request. We will likely ask for an informal conference call with you next week to bounce some ideas off you and to get some clarification from you. I will be in touch.

Thanks,  
Greg

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From: Kelly, Jack (R3 Phila.)  
Sent: Tuesday, March 18, 2014 9:48:16 AM

To: Sayles, Gregory  
Cc: Dinan, Janine; Burns, Francis; Ioven, Dawn; Werner, Lora  
Subject: FW: 4-MCHM in Air

Greg,

Sorry. Too quick on the draw the first time.....

Can you tell me the status of a response to this request?

Thanks...

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

215-514-6792 (cell)

215-814-3112 (office)

From: Kelly, Jack (R3 Phila.)  
Sent: Tuesday, March 18, 2014 9:46 AM  
To: Sayles, Gregory  
Cc: Dinan, Janine; Dawn Ioven  
Subject: RE: 4-MCHM in Air

Jack Kelly

On Scene Coordinator

EPA Region III, Philadelphia

215-514-6792 (cell)

215-814-3112 (office)

From: Sayles, Gregory  
Sent: Wednesday, March 12, 2014 4:56 PM  
To: Dinan, Janine  
Cc: Kelly, Jack (R3 Phila.); Ioven, Dawn  
Subject: RE: 4-MCHM in Air

Diane - I got this note and your voicemail. I am with ORD and you have reached out to the right person to get assistance. One of my roles as the (Acting) Director of ORD's National Homeland Security Research Center is to coordinate technical support activities that come to ORD during environmental emergencies.

I will touch base with our risk folks and get back to ASAP on what we might be able to do on this topic.

Thanks,

Greg

Gregory Sayles, Ph.D.

Acting Director, National Homeland Security Research Center

U.S. EPA Office of Research and Development

Cincinnati, OH 45268

Tel. 513.569.7607

[www.epa.gov/nhsr](http://www.epa.gov/nhsr)

From: Dinan, Janine  
Sent: Wednesday, March 12, 2014 4:11 PM  
To: Sayles, Gregory  
Cc: Kelly, Jack (R3 Phila.); Ioven, Dawn  
Subject: 4-MCHM in Air

Dr. Sayles,

I work for OSWER's Office of Emergency Management (OEM) in HQ and was referred to you by Vince Cogliano. As part of the ongoing response to the Freedom Enterprises Spill in WV, Jack Kelly, in Region 3, contacted Vince to request ORD's expertise in developing a health-based screening value for 4-MCHM in air (included below):

"From: Kelly, Jack (R3 Phila.)

Sent: Monday, March 10, 2014 1:12 PM

To: Cogliano, Vincent

Cc: Ioven, Dawn

Subject: Help for developing an inhalation screening value for the compound 4-MCHM

Hello Jim,

I obtained your name from Dawn Ioven, Superfund toxicologist for EPA Region 3.

I am an On Scene Coordinator in Region 3. Lately, I have been working on a few issues involving the Freedom Enterprises chemical spill in Charleston, WV. No doubt you have heard of this incident.

You may know that CDC/ATSDR came up with an ingestion screening value for the compound 4-MCHM. See link:

<http://emergency.cdc.gov/chemical/MCHM/westvirginia2014/mchm.asp>

Also see: <http://www.dhsem.wv.gov/Pages/WV-American-Water-Emergency.aspx>  
<<http://www.dhsem.wv.gov/Pages/WV-American-Water-Emergency.aspx>>  
<<http://www.dhsem.wv.gov/Pages/WV-American-Water-Emergency.aspx>>

Several weeks ago, the West Virginia DEP asked if EPA could provide air sampling and analysis support at the site of the spill and potentially in schools. At the time, several schools were evacuated due to strong odors perceived by building occupants. Although these indoor air incidents seem to have ceased,

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Our Environmental Response Team in Edison, NJ (EPA ERT) has developed an air analytical method for 4-MCHM and is planning to initiate a field sampling event to test the method and develop a sampling SOP. The sampling event would take place at the immediate site of the spill where ground disturbance routinely results in awareness of the chemical odor.

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As you will see from the CDC/ATSDR website, toxicological information on the chemical is limited (we do have the proprietary studies from the chemical manufacturer).

Our Region was hoping you could assist with the development of a preliminary screening value.....or.....identify a program at EPA best suited for this work. Unfortunately, the time frame is weeks rather than months or years."

## Ex. 5 - Deliberative

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I appreciate your feedback on this issue and for any assistance you and your group can provide.

Sincerely,

Janine Dinan

OEM

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